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NOTICE OF ALLOWANCE AND FEE(S) DUE

23850 7590 04/28/2009 KRATZ, QUINTOS & HANSON, LLP 1420 K Street, N.W. Suite 400 EXAMINER
CHANG, CHING
ART UNIT PAPER NUMBER

3748

WASHINGTON, DC 20005 DATE MAILED: 04/28/2009

 APPLICATION NO.
 FILING DATE
 HIRST NAMED INVENTOR
 ATTORNISY DOCKET NO.
 CONFRMATION NO.

 10/585,888
 07/2M/2008
 Noriaki Fujii
 060514
 7631

TITLE OF INVENTION: ENGINE VALVE OPERATING SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/28/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This is appropriate. All further c indicated unless corrected maintenance fee notificati	form should be used f orrespondence includir d below or directed oth ons.	or tran	nsmitting the ISSU Patent, advance on in Block 1, by (a							
CURRENT CORRESPONDE	NCE ADDRESS (Note: Use Bi	oek 1 for	any change of address)	1	Fee(s	s) Transmittal. Thi rs. Each additiona	s certil I paper	can only be used for icate cannot be used for such as an assignmenting or transmission.	or any o	other accompanying
23850 7590 0428/2009 KRATZ, QUINTOS & HANSON, LLP 1420 K Street, N.W. Suite 400				,	Certificate of Mailing or Transmission I hereby certify that this Feefs) Transmits is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimilit transmitted to the USPTO (517) 273-2888, on the date indicated between the Computer Comput					
WASHINGTON,	DC 20005									(Depositor's name)
										(Signature)
				[(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVENT	OR		ATTO	RNEY DOCKET NO.	CON	FIRMATION NO.
10/585,888	07/23/2008			Noriaki Fujii				060514		7631
TITLE OF INVENTION:										
APPLN. TYPE	SMALL ENTITY	IS	SUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSU	SFEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO		\$1510	\$300		\$0		\$1810		07/28/2009
EXAMI	NER		ART UNIT	CLASS-SUBCLASS	\neg					
CHANG,	CHING		3748	123-090390	_					
1. Change of corresponder CFR 1.363. CR 1.363. Change of corresponder CFR 1.363. The Address' indic FIO/SB 1.47 Rev 03-02 Number Is required. 3. ASSIGNE NAME AN PLEASE NOTE: Unla recordation as set forth (A) NAME OF ASSIG	ndence address (or Cha 7122) attached. cation (or "Fee Address c or more recent) attach TO RESIDENCE DATA sss an assignce is ident in 37 CFR 3.11. Comp	nge of "Indicated. Use	Correspondence ation form e of a Customer		p to nativingle or a attor be p type e pa	3 registered paten ely, firm (having as a gent) and the nam neys or agents. If orinted. e) tent. If an assign assignment.	memb es of u no nan	er a 2p to be is 3lentified below, the d	ocumen	t has been filed for
Please check the appropria	ate assignee category or	catego	ories (will not be pr	inted on the patent):	۵	Individual 🗖 Co	orporati	on or other private gro	oup enti	ty Government
4a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies				o. Payment of Fee(s): (I A check is enclose Payment by credit The Director is her overpayment, to D	ed. card	I. Form PTO-2038	is atta	ched. required fee(s), any de	ficiency	
5. Change in Entity State a. Applicant claims	SMALL ENTITY state	ıs. See	37 CFR 1.27.	☐ b. Applicant is no						
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if requeords of the United Sta	uired) v tes Pat	will not be accepted ent and Trademark	from anyone other the Office.	an th	e applicant; a regi	stered :	attorney or agent; or th	ne assign	nee or other party in
Authorized Signature						Date				
Typed or printed name				Registration No.						
This collection of informa an application. Confidenti submitting the completed this form and/or suggestio Box 1450, Alexandria, Vir Alexandria, Virginia 2231	tion is required by 37 C ality is governed by 35 application form to the ons for reducing this bur rginia 22313-1450. DC 3-1450.	FR 1.3 U.S.C. USPT rden, sl D NOT	11. The informatic . 122 and 37 CFR O. Time will vary hould be sent to th SEND FEES OR	on is required to obtain 1.14. This collection is depending upon the in e Chief Information Of COMPLETED FORMS	or re esti idivi ficei S TO	etain a benefit by t mated to take 12 i dual case. Any co r, U.S. Patent and THIS ADDRESS	he pub minuter mmen Trader S. SEN	ic which is to file (and to complete, includir s on the amount of ti- nark Office, U.S. Dep D TO: Commissioner	I by the ig gathe ne you artment for Pate	USPTO to process) ring, preparing, and require to complete of Commerce, P.O. nts, P.O. Box 1450,

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION			
10/585,888	07/23/2008	Noriaki Fujii	060514	7631		
23850 75	590 04/28/2009		EXAMINER			
KRATZ, QUINT	OS & HANSON, LI	.P	CHANG, CHING			
1420 K Street, N.V	V.		ART UNIT	PAPER NUMBER		
Suite 400 WASHINGTON, I	DC 20005		3748 DATE MAII ED: 04/28/200	9		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No.	Applicant(s)	
10/585,888	FUJII ET AL.	
Examiner	Art Unit	
CHING CHANG	2740	

Notice of Allowability	Examiner	Art Unit			
	CHING CHANG	3748			
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	lication. If not include will be mailed in due	ed course. THIS		
This communication is responsive to					
2. The allowed claim(s) is/are 1-10.					
3. ☑ Acknowledgment is made of a claim for foreign priority un a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☑ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application No		tion from the		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the red	quirements		
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			IOTICE OF		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.				
(a) I including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached			
1) hereto or 2) to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	office action of			
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in ti			back) of		
DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT			Note the		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal P	atant Angliantian			
Notice of References Cited (P10-892) Notice of Draftperson's Patent Drawing Review (PTO-948)					
Notice of Dramperson's Patent Drawing Review (PTO-946) ⊠ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Dat 7. X Examiner's Amendr	è '			
Paper No./Mail Date 7/12/06, 12/8/08	_				
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Stateme	nt of Reasons for Allo	owance		
	9. Other				

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DETAILED ACTION

This Office acknowledges the Preliminary Amendment filed on 7/12/06. New claims 8-10 are added as requested.

EXAMINER'S COMMENT

1. The Applicant is required to submit a revised ABSTRACT.

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Reasons For Allowance

The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the claimed combination including the limitations directed to the specifics of an engine valve operating system comprising a rocker arm biasing spring which biases the rocker arm in a direction in which a cam abutting portion abuts against a valve operating cam, is not disclosed or rendered obvious the art of record.

 Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Application/Control Number: 10/585,888 Page 3

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - Fujii et al. (US Patent 7,444,966).
- Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHING CHANG whose telephone number is (571)272-4857. The examiner can normally be reached on M-Th, 7:00 AM -5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Denion can be reached on (571)272-4859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Ching Chang/ Primary Examiner, Art Unit 3748